5730

SPECIFICATION SHEET

Leading the way: Next-generation performance and flexibility.

spec

- Data rates up to 4Gb/sec (Fibre Channel)
- 12TB base capacity that scales to 108TB
- EcoStor™ - Environmentally and economically sound
  - Battery-free cache backup with super capacitors
  - Low latency cache mirroring with SimulCache™
- Built-in snapshot capability with AssuredSnap™
- Built-in schedule capability
- AssuredCopy™ - Additional data protection with full volume copies
- Windows, Linux and UNIX support (Cluster-certified)
- Redundant, hot swap components
- Dual RAID controller or JBOD
- RAID 0, 1, 3, 5, 6, 10, 50
- RoHS-5 and WEEE compliant
- Certified to NEBS Level 3 requirements
- Tested to meet MIL-STD 810F requirements for Land, Sea and Air deployment.

The 5730 features a 12-drive array housed in a 2 rack-unit (2U) enclosure providing 4Gb FC interfaces to internal SAS or SATA-II disk drives. The use of a dual internal SAS interface allows up to nine disk enclosures (including the RAID enclosure) delivering a total of 108 drives. The 5730 adapts to a broad range of applications, and the capability to mix both SATA and SAS technology within a single disk enclosure provides an optimum tiered storage environment for Information Lifecycle Management.

Revolutionary performance, availability, quality and value

The 5730 uses revolutionary new SimulCache™ technology that instantly and simultaneously mirrors cache between RAID controllers, leading to significant performance improvements over traditional implementations. The use of RAID cache batteries has been completely eliminated with the introduction of super capacitors, providing infinite cache backup during a power loss while being environmentally friendly. AssuredSnap™ provides the 5730 with built-in volume snapshot capability allowing point-in-time copies that can be used to maximize business continuity. AssuredCopy™ creates a full volume copy (vs. a logical volume copy with AssuredSnap) providing additional protection against vdisk failure and eliminating application I/O contention when accessing the same data blocks.

The 5730 will be independently tested and certified as compliant to the appropriate telecommunications industry standards including NEBS Level 3 and the rigorous MIL-STD 810F requirements of the US Department of Defense for air, land and sea deployment).

Storage made easy

Easily configure and manage the 5730 with RAIDar, the intuitive Web Based Interface (WBI), which provides storage setup and monitoring without the need for host based software.

5730 FC

R EVOLUTION™ RAPID EVOLUTION

5730 Specifications

GENERAL

Product Family	5000 Series
Product Type	RAID, JBOD
Chassis Configuration	2U
Disk Architecture	3Gb SAS/3Gb SATA-II
Max Drives per Chassis	12 drives
Total Capacity	12TB/108TB (with expansion trays)
Total Disks	108
Mounting Options	19" Rack, Rack tray
Max Number of Chassis	9 (1 RAID and 8 JBOD)
Max Capacity per Chassis	12TB (1TB SATA-II drives)
Data Management Services	AssuredSnap™, AssuredCopy™

HOSTS

Supported Hosts	Up to 8 direct connected hosts, 2/4 Gbit FC
Interface Type	FCP
External Ports	4/8 Dual Controller

DRIVES

Max Number of Drives	108
Drive Options	3Gb SAS 146GB 15K RPM 3Gb SAS 300GB 15K RPM 3Gb SAS 450GB 15K RPM 3Gb SATA-II 500GB 7200 RPM 3Gb SATA-II 750GB 7200 RPM 3Gb SATA-II 1TB 7200 RPM

RAID

Levels Supported	NRAID, 0,1,3,5,6,10, and 50
RAID Type	Hardware
Cache Memory	1GB per controller
Cache Backup	Yes, battery-free protection
Virtual disks per System	32
Volumes per virtual disk	256
Volumes per System	512
Mirrored Cache	Yes - SimulCache™
Super Capacitor Cache Backup	Yes
Cache Backup to Flash	Yes - Non-volatile

MANAGEMENT

Interface Types	Mini DB9 RS232, 10/100 Ethernet
Protocols Supported	SNMP, SSL, SSH, SMTP
Management Consoles	WEB GUI, CLI
Management Software	RAIDar

POWER REQUIREMENTS – AC INPUT

Input Power Requirements	100-240VAC 50/60Hz 4.5–1.9A
Max Input Power	500W max maximum continuous
Heat Dissipation	1706 BTUs/hour

POWER REQUIREMENTS – DC INPUT

Voltage	-39 to -72VDC, -48/-60V nominal
Max Input Power	500W maximum continuous
Heat Dissipation	1706 BTU/hour

TEMPERATURE AND HUMIDITY RANGES

Operating Temperature	41°F to 104°F (5°C to 40°C)
Shipping Temperature	-40°F to 158°F (-40°C to 70°C) Note: Derate 2°C for every km, up to 3000 meters
Operating Humidity	10% to 90% RH @ 104°F (40°C) non-condensing
Non-Operating Humidity	Up to 93% RH @ 104°F (40°C) non-condensing

DECLARED ACOUSTIC NOISE LEVELS

Sound Power	<6.03B Sound Power
Sound Pressure	<55dBA Sound Pressure

SHOCK AND VIBRATION

Shock, Operational	5.0G, 10ms, half sine
Shock, Non-Operational	15G 11ms, half sine originally
Vibration, Operational	0.21Grms Random 5Hz to 500Hz flat spectrum/feed forward
Vibration, Non-Operational	0.5G 1 octave/minute 5Hz to 500Hz to 5 Hz sine sweep 0.5Grms Random 20Hz to-1000Hz flat spectrum

HIGH-AVAILABILITY FEATURES

Redundant Hot-Swap Controllers	Yes
Redundant Hot-Swap Disk	Yes
Redundant Hot-Swap Fans	Yes
Redundant Hot-Swap Power	Yes
Dual Power Cords	Yes
Hot Standby Spare	Yes
Automatic Failover	Yes
Multi-Path Support	Yes
On-line Firmware Upgrades	Yes
Snap Shots with AssuredSnap™	Yes
Volume Copy with AssuredCopy™	Yes

REGULATORY

Safety	UL 60950-1:2003 (USA) CAN/CSA-C22.2 No.60950-1-03 (Canada) EN 60950-1 :2001 + A11 (EU) IEC 60950-1 :2001 (International)
Electromagnetic Compatibility	CFR 47 Part 15 Subpart B (U.S.A., Class A) ICES-003 Issue 4 (Canada, Class A) EN 55022 :98 +A1 +A2 (EU, Class A) EN61000-3-2:2000+A1,+A2,+A14 (Harmonics) EN 61000-3-3 :2001 (Flicker) EN 55024 :1998 +A1 (EU,Immunity) EN 300 386 v1.3.3 CISPR 22 :2005 (International, Class A) CISPR 24 :97 (International, Immunity) GR-1089-CORE Issue 4 (NEBS)
Environmental	GR-63-CORE Issue 3 (NEBS) ETSI EN 300 019-2-1 v2.1.2 (EU, Class 1.2) ETSI EN 300 019-2-2 v2.1.2 (EU, Class 2.3) ETSI EN 300 019-2-3 v2.1.2 (EU, Class 3.2) Acoustics ISO7779 / ISO9296
RoHS and WEEE	RoHS-5 Compliance , China RoHS, WEEE
Country Approvals	Australia/New Zealand, Canada, China (PRC), European Union (EU), Germany (GS Mark), Japan, South Korea, Taiwan, United States

SUPPORT

Software Warranty	90 Days
Standard Hardware Warranty	36 Months
Environmental Monitoring	Yes, via SNMP, CLI, RAIDar, SMTP
Phone-home Capability	Yes
Remote Diagnostics	Yes
Non-disruptive Updates	Yes
Non-disruptive Volume Expansion	Yes

PHYSICAL

Height	3.5 Inches / 8.9cm
Depth (excluding cables)	23.7 Inches / 60.2cm
Width	17.6 Inches / 44.7cm
Chassis Weight	45lbs. / 20.5kg
Chassis w/500GB Drives Weight	66lbs (array only) / 29.94kg

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